

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ELECTRIC LOGS FILE ☒ WATER SANDS LOCATION INSPECTED Gas SUB. REPORT/abd.

* Location Abandoned- well never drilled- Feb 9, 1982

DATE FILED 12-4-80

LAND: FEE & PATENTED

STATE LEASE NO.

PUBLIC LEASE NO.

U-29644

INDIAN

DRILLING APPROVED: 12-4-80

SPUDED IN:

COMPLETED:

PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED: LA Feb 9, 1982FIELD: East Canyon 786 San Anoyo

UNIT:

COUNTY: GrandWELL NO. Federal #12-20API NO. 43-019-30754

LOCATION

1635'

FT. FROM (N) (S) LINE.

625'

FT. FROM (E) (W) LINE.

SW 1/4 NW 1/41/4 - 1/4 SEC. 20 SLBM

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
<u>16S</u>	<u>25E</u>	<u>20</u>	<u>NATURAL GAS CORP. OF CALIF</u>				

**NATURAL GAS CORPORATION
OF CALIFORNIA**

85 South 200 East
Vernal, Utah 84078
(801) 789-4573

November 19, 1980

RECEIVED

NOV 24 1980

DIVISION OF
OIL, GAS & MINING

Mr. E. W. Guynn
Geological Survey - Conservation Div.
2000 Administration Bldg.
1745 West 1700 South
Salt Lake City, UT 84104

Mr. Frank M. Hamner
Division of Oil, Gas & Mining
1588 West North Temple
Salt Lake City, UT 84116

Re: Proposed NGC #12-20 Federal
Section 20, T16S, R25E
Grand County, Utah

Gentlemen:

Enclosed are the following documents relating to drilling the above captioned well:

- 1) Application for Permit to Drill
- 2) Surveyor's Plat
- 3) Ten Point Drilling Procedure
- 4) BOP and Pressure Control Specifications
- 5) Location Layout Map
- 6) Topographic Maps "A" and "B"

Your early consideration and approval of this application will be appreciated. Should you require any additional information, please contact this office.

Yours truly,

Wm Ryan

Wm. A. Ryan
Petroleum Engineer

/kh

Encls.

cc: J. C. Bendler
C. T. Clark
E. R. Henry

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Natural Gas Corporation of California

3. ADDRESS OF OPERATOR

85 South 200 East, Vernal, UT 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1635' FNL, 625' FWL, Section 20, T16S, R25E

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

63.5 southeast of Ouray, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

480 (+)

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

6590'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

7285' Ungr. gr., 7298' KB estimated

22. APPROX. DATE WORK WILL START*

Upon receipt of approval

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36# K55 New	250	250 sacks
8-3/4"	7"	23# K55 New	3280	160 sacks
6-1/8"	4-1/2"	11.6# N80 New	TD	As required.

Operator proposes to drill a 6590' well to test the Morrison formation. All water flows and significant hydrocarbon shows will be evaluated and reported. Drilling operations will be conducted according to the attached procedure and all applicable regulations. Adequate BOP equipment will be installed and maintained as indicated in the attached pressure control specifications. Casing will be run as outlined above and cemented sufficiently to protect all potentially productive intervals. No abnormal pressures, temperatures, or other hazards are anticipated.

APPROVED BY THE DIVISION
OF OIL, GAS, AND MINING
DATE: 12/4/80
BY: [Signature]

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Wm Ryan
Wm. A. Ryan

TITLE

Petroleum Engineer

DATE

Nov. 19, 1980

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

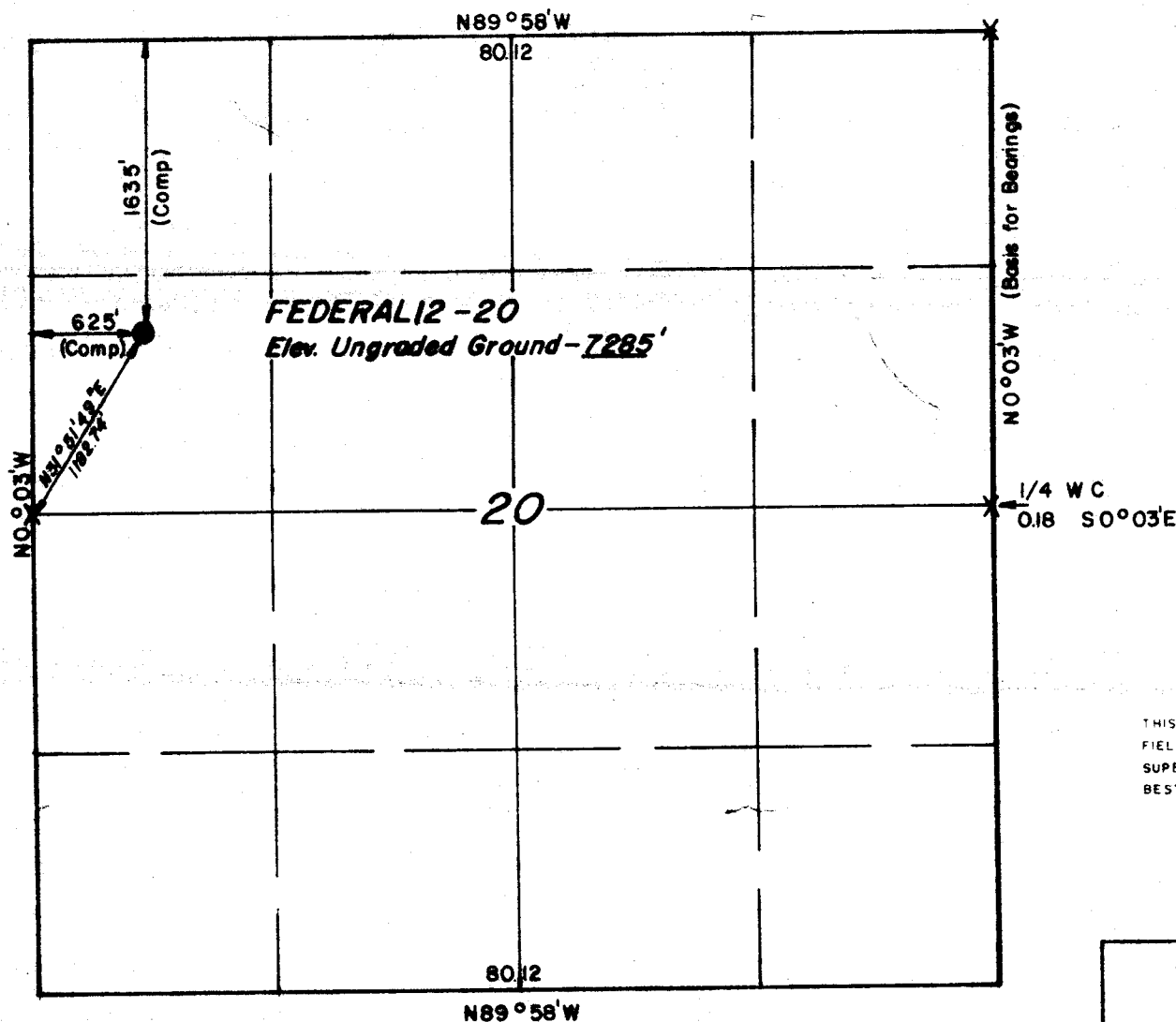
cc: USGS, UT; Div. OG&M, UT; JCBendler; CTCIark; ERHenry

*See Instructions On Reverse Side

T16S , R25E , S.L.B.&M.

PROJECT
NATURAL GAS CORP. OF CALIF.

Well location, *FEDERAL 12-20* located as shown in the SW1/4 NW1/4 Section 20, T16S R25E, S.L.B.&M. Grand County, Utah.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Lawrence L. Kay
REGISTERED LAND SURVEYOR
REGISTRATION NO 3137
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX 9 - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 10/30/80
PARTY RK DD DJ FO	REFERENCES GLO Plat
WEATHER Fair	FILE NATURAL GAS CORP. OF CALIF

X = Section Corners Located

Natural Gas Corporation of California
San Arroyo #12-20 Federal
10 Point Drilling Procedure

1. Surface formation is Green River.

2. Estimated Formation Tops:	<u>Elevation</u>	<u>Datum</u>
Tertiary	Surface	+7298'
Mesaverde	690'	+6608'
Castlegate	2540'	+4758'
Mancos	2650'	+4648'
Mancos B	3280'	+4018'
Dakota Silt	6138'	+1160'
Morrison	6346'	+ 952
TD	6590'	+ 705

3. Estimated zones with gas, oil and/or water.

Mancos B
Dakota
Cedar Mountain

4. Casing Program:

Surface - 9-5/8" @ 250', K-55, STC, 36.0#, New
Intermediate - 7" @ 3280', K-55, STC, 23.0#, New
Production - 4-1/2" @ 6590', N-80, LTC, 11.6#, New

5. Pressure Control Equipment: See attached diagram. BOP's and choke manifold will be installed and pressure tested before drilling out under surface casing and will be checked daily as to mechanical operating conditions.

6. Mud Program will be fresh water base drilling mud below surface casing to intermediate casing depth. Gel and lime should be used if needed in the event additional viscosity is required for hole cleaning. Conventional types of lost circulation materials should handle minor losses. However, if losses are severe, cement plugs should be utilized to regain circulation.

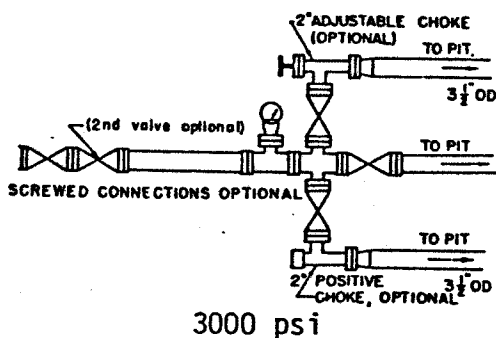
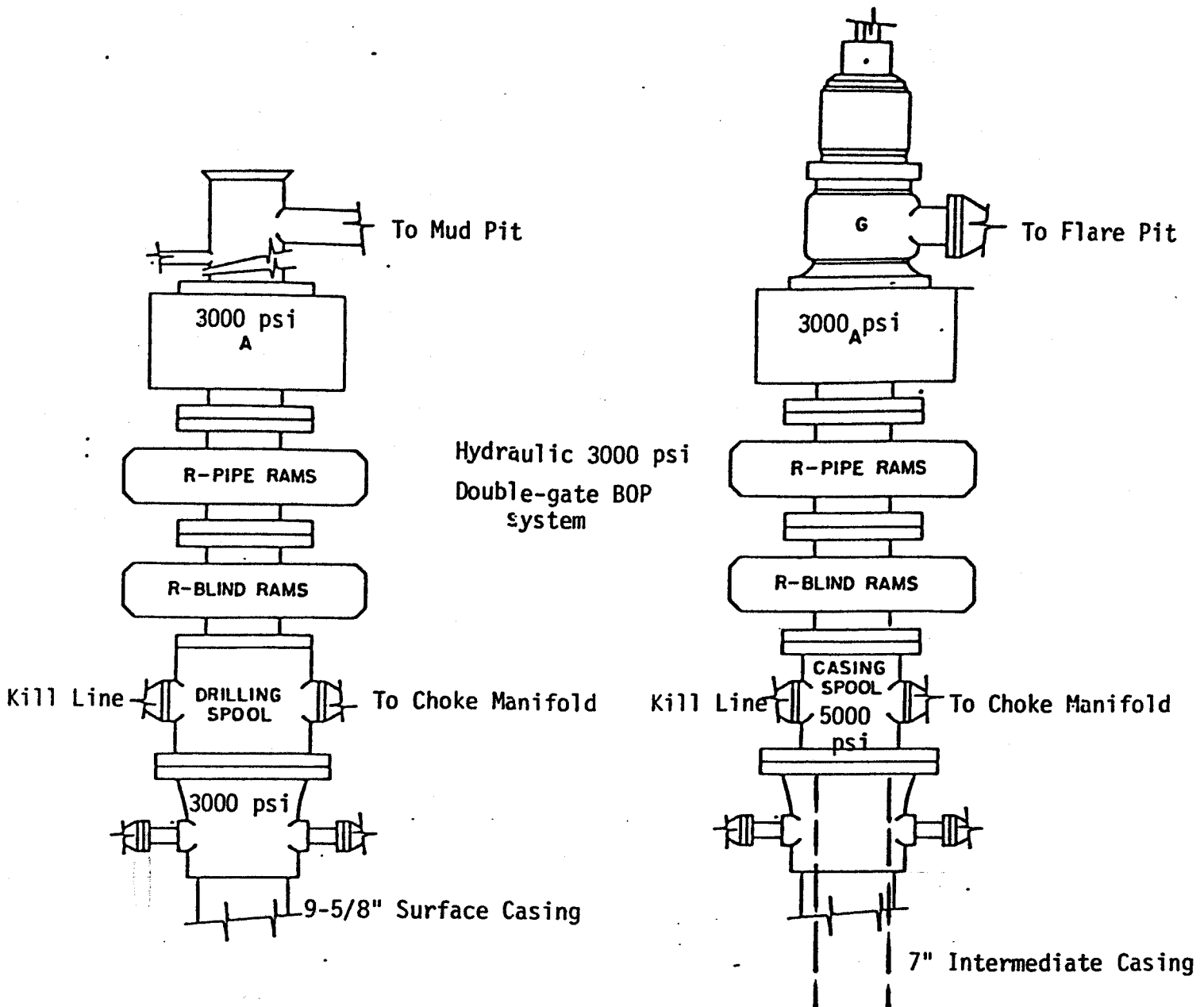
<u>Interval</u>	<u>Weight</u>	<u>Viscosity</u>
0 - 250	8.3 - 8.4	27 - 29
250 - 3280	8.4 - 8.8	27 - 29
3280 - TD	Air or air mist	

7. Auxiliary equipment will include (1) Kelly cock, (2) drill pipe float (air drilling), (3) monitoring of mud system will be visual, (4) a sub on the floor with a full opening valve to be stabbed into drill pipe when kelly is not in the string and (5) rotating drilling head (air drilling).

8. No coring or drillstem testing has been scheduled for this well, however, frequent flow testing while air drilling through potential formations will be conducted. Logging will include DIL-GR, BHC-Sonic-Gamma Ray and FDC/CNL from 3280' to base surface casing and DIL-SFL, SNP-Gamma Ray, FDC-Gamma Ray and Dipmeter (selective intervals) from TD to base of intermediate casing. A temperature log may be run if the well is flowing gas. Stimulation will be determined at time of completion. A Sundry Notice will be submitted prior to commencing operations.

9. No abnormal pressures or temperatures, hydrogen sulfide, or other hazards are anticipated. However, a mud logger or wellsite geologist will be on location at all times to monitor drilling progress.
10. Anticipated starting date upon receipt of approval. Duration of drilling operations is expected to be about 20 days.

BLOWOUT-PREVENTOR AND ACCESSORY EQUIPMENT



CHOKE MANIFOLD.

Test Schedule

- 1) 10" BOP, choke manifold and 9-5/8" casing to 1000 psi on nipple up.
- 2) 10" BOP, choke manifold and 7" casing to 3000 psi.
- 3) All BOP equipment tested for operation daily and on bit trips.

NGC #12-20 Federal
Section 20, T16S, R25E

NATURAL GAS CORP. OF CALIFORNIA

13 Point Surface Use Plan

for

Well Location

Federal 12-20

Located In

Section 20, T16S, R25E, S.L.B. & M.

Grand County, Utah

CA

NATURAL GAS CORP. OF CALIFORNIA
Federal 12-20
Section 20, T16S, R25E, S.L.B. & M.

1. EXISTING ROADS

See attached Topographic Map "A".

To reach Natural Gas Corp., well location Federal 12-20 located in the SW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 20, T16S, R25E, S.L.B. & M., Grand County, Utah, proceed West from Vernal, Utah along U.S. Highway 40 - 14 miles to the junction of this highway and Utah State Highway 88 that exists to the South. Proceed South along Utah State Highway 88 - 17.8 miles to Ouray, Utah. Proceed South from Ouray along the Uintah County Road (of which the first 12 miles is paved and the rest an improved dirt road), 53 miles to P.R. Springs: proceed Easterly along a improved dirt road that is called the McCook Ridge road 7.6 miles to its junction with a road that runs in a Southerly direction along San Arroyo Ridge; proceed along this improved dirt road 2.85 miles to the junction of a service road that runs in a Westerly direction into the bottom of San Arroyo Canyon; proceed Westerly along this road 2.6 miles to an existing Gas Well in the SW $\frac{1}{4}$ of Section 16, T16S, R25E, S.L.B. & M. of which point an exit road proceeds on in a South Westerly direction and will be discussed in Item #2, as part of the Planned Access Road.

The highways mentioned in the foregoing paragraph are bituminous surfaced road to Ouray, Utah at which point the road is surfaced with native asphalt for approximately 12 miles, and then is improved dirt.

There is no anticipated construction on any of the above described roads. It will meet the necessary standards required to facilitate an orderly flow of traffic during the drilling of this well and the production of such if production is established.

The highways mentioned above are under Utah State jurisdiction and are maintained by State Road Crews. The County road is constructed of native asphalt (partially and is maintained by County Road crews.

The roads that are required for access during the drilling phase, completion phase, and production phase of this well, will be maintained at the standards required by the B.L.M. or other controlling agencies.

2. PLANNED ACCESS ROAD

See Topographic Map "B".

The Planned Access Road begins at the existing well location discussed in Item #1 and follows an existing road 1.6 miles to an existing drill site located in the NE $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 20, T16S, R25E, S.L.B. & M. This portion of the road will have to have some construction work in order to meet the required standards. From the drill site in the NE $\frac{1}{4}$ NE $\frac{1}{4}$ of Section 20 a new road will have to be constructed in a Southwesterly, Northwesterly direction 1.5 miles to the location site in the SW $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 20, T16S, R25E, S.L.B. & M.

In order to facilitate the anticipated traffic flow necessary to drill and produce this well, the following standards will be met:

The proposed road will be an 18' crown road (9' either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area.

5. LOCATION AND TYPE OF WATER SUPPLY

See Topographic Map "B".

The anticipated water supply for this location is from P.R. Springs in Section 33, T15½S, R23E, S.L.B. & M. and will be hauled by truck the 17.5 miles over the roads discussed in Item #1 & #2.

If this water source is not available then the necessary arrangements will be made to acquire the water needed for the drilling and production of this well and all agencies involved will be notified of any changes.

All regulation and guidelines will be followed and no deviations will be made unless all concerned agencies are notified.

All appropriate permits will be acquired and submitted to the proper authorities.

There will be no water well drilled at this location site.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction materials for this location site shall be borrow materials accumulated during construction of the location site. No additional road gravels or pits lining material from other sources are anticipated at this time, but if they are required, the appropriate actions will be taken to acquire them from private sources.

7. METHODS FOR HANDLING WASTE DISPOSAL

See Location Layout Sheet.

The reserve pit will vary in size and depth according to the water table at the time of drilling.

One half of the reserve pit will be used as fresh water storage area during the drilling of this well and the other one half will be used to store non-flammable materials such as cuttings, salts, drilling fluids, chemicals produced fluids, etc.

If deemed necessary by the agencies concerned, to prevent contamination to surrounding areas, the reserve pits will be lined with a gel.

The pits will have wire and overhead flagging installed at such time as deemed necessary to protect the water fowl, wildlife, and domestic animals.

At the onset of drilling, the reserve pit will be fenced on three sides and at the time the drilling activities are completed, it will be fenced on the fourth side and allowed to dry completely prior to the time that backfilling and reclamation activities are attempted.

7. METHODS FOR HANDLING WASTE DISPOSAL - cont...

When the reserve pit dries and the reclamation activities commence, the pits will be covered with a minimum of four feet of soil and all requirements of Item #10 will be followed.

A portable trash basket will be placed on the location site and all trash will be hauled to the nearest Sanitary Land Fill.

A portable toilet will be supplied for human waste.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. WELL SITE LAYOUT

See Location Layout Sheet.

The B.L.M. Representative shall be notified before any construction begins on the proposed location site.

As mentioned in Item #7, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area; then the pits will be lined with a gel and any other type material necessary to make them safe and tight.

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See Location Layout Sheet & Item #9). When all drilling and production activities have been completed, the location site and access road will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area.

Any drainages re-routed during the construction activities shall be restored to their original line of flow as near as possible. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash pit shall be buried with a minimum of 5' of cover.

Restoration activities shall begin within 90 days after completion of the well. Once restoration activities have begun, they shall be completed within 30 days.

10. PLANS FOR RESTORATION OF SURFACE - cont...

When restoration activities have been completed the location site and access road will be reseeded with a seed mixture recommended by the B.L.M. Representative when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said clean-up and restoration activities shall be done and performed in a diligent and most workmanlike manner, and in strict conformity with the above mentioned Items #7 and #10.

11. OTHER INFORMATION

The Topography of the General Area (See Topographic Map "A").

The terrain of the general area slopes from the rim of the Book Cliff Mountains to the North to the Colorado River to the South and is a portion of the East Tavaputs Plateau.

The area is interlaced with numerous ridges and canyons formed by non-perennial streams and washes. The sides of the hills and canyons are rather steep and outcrops of sandstones, conglomerates, and shale deposits, are common in the area forming ledges and cliff along the sides of the canyons.

The visible geologic structures in the area are of the Tuscher Formation Tertiary Period and the Wasatch Formation also of the Tertiary Period.

The majority of the numerous drainages in the surrounding area are of a non-perennial nature flowing only during the early spring run-off and during extremely heavy rain storms of relatively long duration. This type of storm is rather uncommon as the normal annual precipitation is around 8".

The topsoil in the area ranges from a sandy-clay (SM-ML) type soil to a clayey (OL) type soil.

Due to the low precipitation average, climate condition and the types of soils, the vegetation that is found in the area is common of the semi-arid region we are located in, and consists of juniper, and pinion pine trees, sagebrush, scrub oak, shadscale, and bitterbrush, and some grasses and cacti as the primary flora.

The fauna of the area is sparse and consists predominantly of the mule deer, coyotes, rabbits and varieties of small ground squirrels and other types of rodents and various forms of reptiles.

The area is used by man for the primary purpose of grazing domestic livestock and sheep.

The birds of the area are raptors, finches, sparrows, magpies, crows, and jays.

NATURAL GAS CORP. OF CALIFORNIA
Federal 12-20
Section 20, T16S, R23E, S.L.M. & M.

11. OTHER INFORMATION - cont...

The proposed location sits on top of a ridge that extends in a Southerly direction, into San Arroyo Canyon to the South and East, from the main ridge to the North that seperates the East Canyon drainage to the West and the San Arroyo Canyon drainage to the East.

The visible structure of the location is of the Tushcer formation and consists of brownish-gray sandy-clay (SP-CL) with some shale outcrops.

The ground slopes through the location to the Northwest at approximately a 4% grade.

The location is covered with juniper and pinion pine trees, scrub oak, in the general area.

There are no occupied dwellings or other facilities of this nature in the general area.

There are no visible archaeological, historical or cultural sites within any reasonable proximity of the proposed location site. (See Topographic Map "B").

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

R.J. Firth
85 South 200 East
Vernal, Utah 84078

1-801-789-4573

13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in the plan are, to the best of my knowledge, true and correct; and that the work associated with the operation proposed herein will be performed by the Natural Gas Corp. of California its contractors and sub-contractors in conformity with this plan and terms and conditions under which it is approved.

Date

R.J. Firth

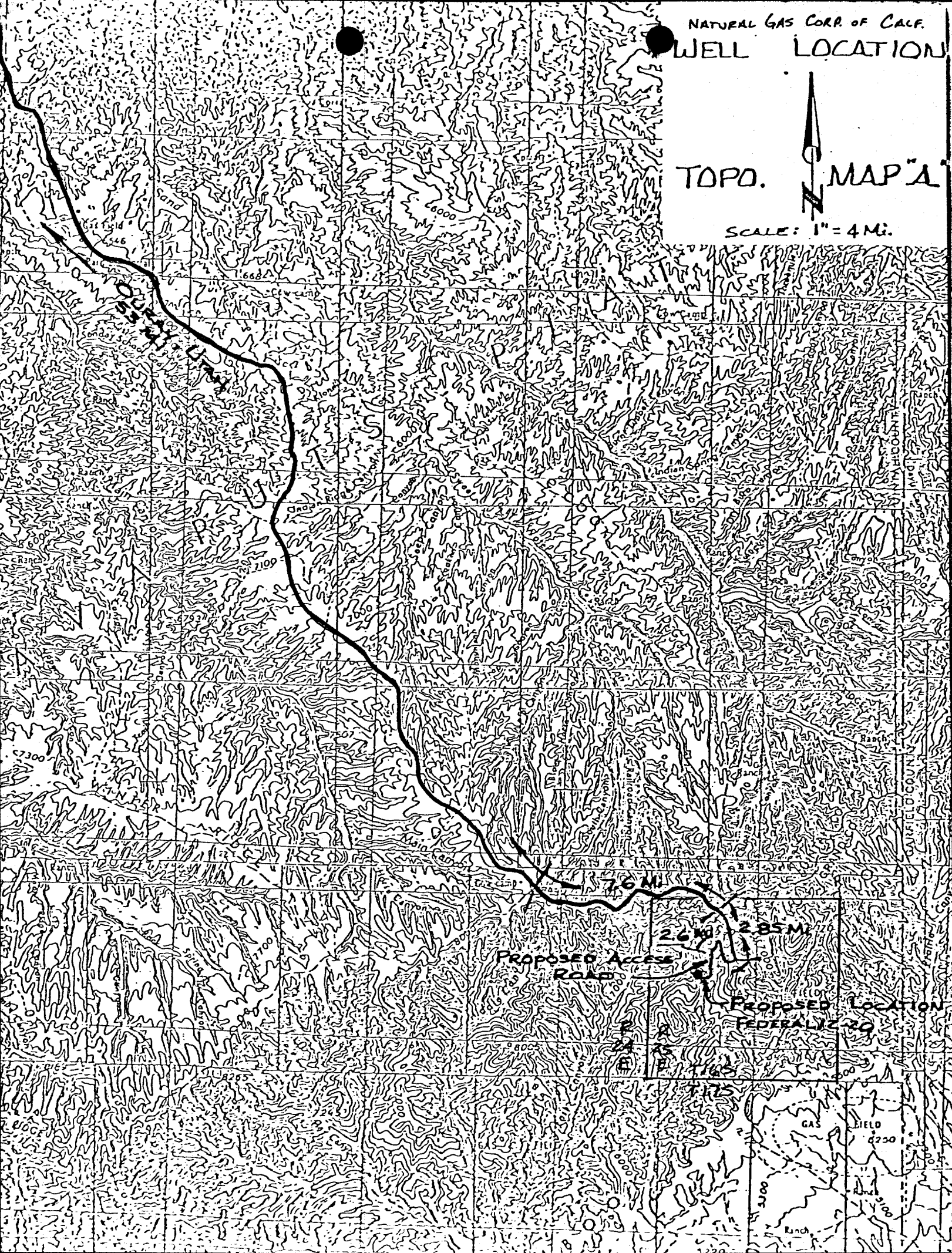
A hand-drawn graph with two axes. The vertical axis is labeled "1" = 50'" and the horizontal axis is labeled "1" = 50'". The word "SCALES" is written in the center of the graph.

NATURAL GAS CORP. OF CALIF.
WELL LOCATION

TOPO. MAP "A"



SCALE: 1" = 4 Mi.



**** FILE NOTATIONS ****

DATE: 12-3-80

OPERATOR: Natural Gas Corp. of Calif

WELL NO: Jan 12-20

Location: Sec. 20 T. 16S R. 25E County: Grand

File Prepared: ☒

Entered on N.I.D: ☒

Card Indexed: ☒

Completion Sheet: ☐

API Number 43-019- ~~30754~~

CHECKED BY:

Petroleum Engineer: _____

Director: OK as per order issued in Case 149-1 This is the unit well for Oakley Unit # 37 Zone II

Administrative Aide: _____

APPROVAL LETTER:

Bond Required: ☐

Survey Plat Required: ☐

Order No. 149-1 Old March 14, 73 O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site ☐

Lease Designation Desl

Plotted on Map ☒

Approval Letter Written ☒

Hot Line ☒

P.I. ☒

December 9, 1980

Natural Gas Corporation of California
85 South 200 East
Vernal, Utah 84078

Re: Well No. Federal 12-20
Sec. 20, T. 16S, R. 25E
Grand County, Utah

Insofar as this office is concerned, approval to drill the above referred to GAS well is hereby granted in accordance with the Order issued in Cause No. 149-1 dated March 14, 1973. This is the Unit well for Drilling Unit #37, Zone III.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer
Office: 533-5771
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-019-30754.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

Cleon B. Feight
Director

/ka
cc: USGS

DUPLICATE

SUBMIT IN DUPLICATE*
(Other instructions on
reverse side)Form approved.
Budget Bureau No. 42 R1425.UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Natural Gas Corporation of California

3. ADDRESS OF OPERATOR

85 South 200 East, Vernal, UT 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)

At surface

1635' FNL, 625' FWL, Section 20, T16S, R25E

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

63.5 southeast of Ouray, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

480 (+)

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

6590'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

7285' Ungr. gr., 7298' KB estimated

22. APPROX. DATE WORK WILL START*

Upon receipt of approval

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36# K55 New	250	250 sacks
8-3/4"	7"	23# K55 New	3280	160 sacks
6-1/8"	4-1/2"	11.6# N80 New	TD	As required.

Operator proposes to drill a 6590' well to test the Morrison formation. All water flows and significant hydrocarbon shows will be evaluated and reported. Drilling operations will be conducted according to the attached procedure and all applicable regulations. Adequate BOP equipment will be installed and maintained as indicated in the attached pressure control specifications. Casing will be run as outlined above and cemented sufficiently to protect all potentially productive intervals. No abnormal pressures, temperatures, or other hazards are anticipated.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Wm Ryan
Wm. A. Ryan

TITLE

Petroleum Engineer

DATE

Nove. 19, 1980

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

(Orig. Sgd.) A. M. RAFFOUL

TITLE

FOR E. W. GUYNN
DISTRICT ENGINEER

DATE

MAY 15 1981

CONDITIONS OF APPROVAL, IF ANY:

cc: USGS, UT; Div. OG&M, UT; JCBendler; CTCIark; ERHenry

*See Instructions On Reverse Side
CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPY

FLARING OR VENTING OF
GAS IS SUBJECT TO NTL 4-A
DATED 1/1/80

NOTICE OF APPROVAL

ut. state O+G

United States Department of the Interior
Geological Survey
Oil and Gas Operations
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator/Project Name Natural Gas Corp. of Calif. Federal No. 12-20
Project Type Development Gas Test
Project Location 1635'FNL, 625'FWL, Sec. 20, T16S, R25E, Grand Co., Utah
Date Project Submitted November 24, 1980

FIELD INSPECTIONDate February 19, 1981Field Inspection
Participants

Bill Ryan - Operator
Earl Cady - Ross Construction
Tony Kendricks, Craig Ivie - Northwest Pipeline
Elmer Duncan, Mical Walker - BLM
Glenn Doyle - USGS

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

May 5, 1981
Date Prepared

Glenn M. Doyle
Environmental Scientist

I concur

5/11/81
Date

E. S. Long
District Supervisor

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria	Federal/State Agency			Local and private correspondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Correspondence (date)	Phone check (date)	Meeting (date)						
516 DM 2.3.A									
Public health and safety					1,2			2/19/81	
Unique characteristics					1,2				
Environmentally controversial					1,2				
Uncertain and unknown risks						4			
Establishes precedents					1,2				
Cumulatively significant					1,2		6		
National Register historic places	1-5/5/81								
Endangered/threatened species	1-5/5/81								
Violate Federal, State, local, tribal law						4			3

Site-specific stipulations attached

COMMON REFERENCE LIST

NEPA Categorical Exclusion Review

1. SMA Input
2. Reviews, reports, or information received from Geological Survey (CD, GD, WRD, TD).
3. Lease Stipulations/Terms
4. Application to Drill
5. Operator correspondence
6. Field observation
7. Private Rehabilitation Agreement

Natural Gas Corp.
of Calif. Federal No. 12-20

Site-specific Stipulations

- 1) Alter the reserve pit dimensions to 10' x 50' x 150', keyseat and, if fractured bedrock is encountered, line with 2-3" of bentonite raked into the soils.
- 2) Clear a swath of vegetation 2 cat blades wide behind the blooie pit to reduce the fire hazard.

Surface Disturbance Stipulations
Restricted Oil and Gas Lease Areas

Serial No.

U- 22644

1. All leases in restricted areas will be subject to the stipulations below and any additional stipulations specified by the authorized officer. When the authorized officer must approve an action or provide specifications it will be in writing unless otherwise specified in the stipulations.
2. The lessee shall ensure that full compliance with the stipulations is made by all persons acting in his behalf, including designated operators, and by all his employees, agents, contractors, subcontractors and employees of contractors or subcontractors. Copies of the stipulations attached to the lease and approved drilling permit will be available at exploration and operating sites and will be made known to all on-the-ground construction, exploration and operating personnel.
3. All survey monuments, witness corners, reference monuments and bearing trees must be protected against destruction, obliteration or damage. Any damaged or obliterated markers must be reestablished, at the lessee's expense, in accordance with accepted BLM survey practices as set forth in the Manual of Surveying Instructions. A complete record of the monumentation and the methods used in reestablishment will be furnished to the Chief, Branch of Cadastral Survey, at the appropriate State Director's Office.
4. The lease area will be available for any other public use, unless restricted in writing by the authorized officer.
5. Existing roads and trails will be used whenever possible. Road and trail widths will be kept to the minimum necessary and all locations and specifications will be approved in writing by the authorized officer. Scalping of top soil and removal of vegetation will not be allowed unless approved by the authorized officer. Roads to any well or other regularly maintained or inspected improvement will be upgraded as directed by the authorized officer. Such upgrading may include ditching, draining, culverts, graveling or capping of the road bed.
6. The lessee will comply with existing county, state and federal laws pertaining to the protecting and preservation of wild horses, wild burros, raptors, wildlife, water quality, public health and public safety; and any applicable county, state and federal laws and regulations concerning the use of poisonous substances, including insecticides, herbicides, fungicides, rodenticides and other similar substances. Prior to the use of such substances the lessee will obtain from the authorized officer approval of a written plan for such use. The plan shall state the type and quantity of material to be used, the animal or plant to be controlled, the method of application and such other information as the authorized officer may require. All use of such substances shall be in accordance with the approved plan. If the use of a chemical is prohibited by the Secretary of the Interior, it shall not be used. If use of a chemical is limited by the Secretary of the Interior, it shall be used only in accordance with that limitation.
7. Burning is permissible only by prior written consent of the authorized officer and in compliance with state and federal air quality standards and laws. The lessee will be responsible for prevention, control and suppression of all wildfires that are caused by burning in connection with this lease. The lessee will be billed by the surface management agency for fire suppression and fire rehabilitation cost resulting from uncontrolled burning of material. The lessee will do everything reasonable, both independently and/or upon request of the authorized officer, to prevent and suppress fires on or near lands to be occupied under the lease by taking initial attack action including making available such construction equipment and maintenance forces that are available. All vegetative and other material cut, uprooted or otherwise accumulated will be disposed of as specified by the authorized officer.
8. All access routes and areas of use will be kept clean. All garbage and foreign debris will be removed to an authorized dump site at least weekly. Sanitary facilities for all solid and liquid waste disposal will meet all state, federal and local codes and regulations.
9. All operations will be conducted to keep any change in the character of the land to an absolute minimum. Pollution, channelling or any erosion or degradation of lands, water quality, streams, lakes, ponds, waterholes, seeps, or marshes, or damage to any fish, wildlife, or domestic livestock resource will not be allowed. The burning off of sump pits to eliminate waste oil will not be allowed. Drainage systems will not be blocked. Vegetation will not be disturbed within 300 feet or within the flood plain of any water course, except at designated stream crossings. State water quality standards will be maintained. All disturbance to live streams and improvements, including but not limited to, fences, roads, watering facilities, culverts, bridges, trails, cattle guards, water development and control structures will be kept to an absolute minimum and will be repaired to at least their former state by the lessee. Functional use of improvements will be maintained at all times. When it is necessary to pass through a fence, the fence will be braced on both sides of the passageway prior to cutting. Four-inch treated timbers or larger will be used for bracing. A gate acceptable to the authorized officer will be installed. Where a permanent road is to be constructed or maintained, cattle guards of an approved design will be placed at all fence crossings with a gate at the side.
10. All operations will be conducted to protect aesthetic and scenic values. Site selection will be carefully considered to reduce adverse visual impacts. In some areas a qualified

landscape architect will be required by the authorized officer. All alterations in vegetative cover will be designed to achieve the same effect as natural-occurring openings within the characteristic landscape. Necessary modifications of existing land forms will reflect the surrounding land forms and enhance the natural landscape. Where alternatives are available, the alternative involving the least damage to scenery and other resources will be selected as determined by the authorized officer. Permanent structures and facilities will be designed to be architecturally compatible with the surrounding landscape. Construction material and color will harmonize and enhance the natural landscape.

11. Prior to entry upon the land or disturbance of the surface thereof, the authorized officer may require a complete inventory of all archaeological, paleontological and historic values. The survey will be completed by a qualified archaeologist approved by the authorized officer. The results of this survey will be provided to the authorized officer. The authorized officer will then have the sites inspected by qualified personnel to determine their significance, and appropriate action to follow, i.e. salvage, relocation, etc. The authorized officer may require the lessee to relocate the proposed facilities in order to avoid destruction of antiquity values or to delay operations until salvage operations are completed. All costs of the survey and salvage of artifacts will be borne by the lessee. All objects of antiquity salvaged remain the property of the U.S. Government

Operations

12. Oil, petroleum products and similar materials will be stored in durable containers and located in areas which do not drain into any draws or water courses. Quantities of more than 500 gallons will be stored in an area surrounded by impermeable containment dikes of sufficient capacities to contain the aggregate capacity of all containers. Hazardous areas will be posted, fenced or otherwise protected to minimize hazards to humans, livestock and wildlife.

13. Pipeline and flowline routes will be closed to vehicular travel except when allowed by the authorized officer.

14. Activities employing wheeled or tracked vehicles will be conducted to minimize surface damage.

15. Disposal systems for solid and liquid wastes will meet all state, federal and local codes and regulations, and will be selected, designed and constructed to avoid landslides, control wind and water erosion, and establish conditions conducive to vegetative growth.

Surface Protection and Reclamation

16. Erosion will be prevented on producing well sites as well as abandoned dry holes. Topsoils will be removed, stockpiled and used in final backfilling and grading. When directed by the authorized officer, a mulch will be applied to seeded areas for the purpose of conserving moisture, preventing surface compaction or crusting, reducing runoff and erosion, controlling weeds and aiding the establishment of plant cover. Mulching material will be native grass hay, tame grass hay, small grain straw or strawy manure. Preference depends upon site and mulch availability. Mulch will be applied evenly at the rate of two to three tons per acre. Mulch will be anchored using a disk. A rotary hoe may be used if the soil is not compacted.

17. Backfilling, final grading, revegetation and restoration of all disturbed areas, including removal of support facilities and other structures, will be completed within six months after completion or termination of the operation unless otherwise authorized by the authorized officer. After development, the surface management agency, the Geological Survey and the lessee will meet once a year and determine which roads can be eliminated. The selected roads will be reshaped, reseeded, physically closed by barricades and protected from erosion as required by the authorized officer.

18. When the authorized officer determines it will be desirable to use an excavation for the permanent impoundment of water or for other uses, reasonable reshaping or excavation will be performed by the lessee. Excavations will be graded to establish safe access to water for persons, livestock and wildlife.

NATURAL GAS CORPORATION OF CALIFORNIA

E. H. W. W. W.
(LESSEE SIGNATURE)
Manager of Mineral Leases



United States Department of the Interior

IN REPLY REFER TO
3109
(U-603)

BUREAU OF LAND MANAGEMENT

Moab District
Grand Resource Area
P.O. Box M
Moab, Utah 84532

MAY 4 1981

Memorandum

To: Oil & Gas Office
USGS Conservation Division
P.O. Box 3768
Grand Junction, CO 81502

From: Area Manager, Grand

Subject: Natural Gas Corporation of California
Federal 12-20, Lease #U-29644
SW/NW, Section 20, T. 16 S., R. 25 E., SLB&M
Grand County, Utah

On February 19, 1981, a representative from this office met with Glenn Doyle, USGS, and Bill Ryan agent of the Natural Gas Corporation of California for an inspection of the above referenced location. Subject to the attached conditions and written approval from USGS, I am approving the surface management portion of the Application for Permit to Drill.

The archaeological requirement has been fulfilled on this location. No threatened or endangered flora or fauna are indicated in the area.

Please forward the enclosed information to Natural Gas Corporation of California.

Enclosures: (3)
1-Reclamation Procedures
2-Seed Mixture
3-Suggested Colors for Production Facilities

U. S. GEOLOGICAL SURVEY
OIL AND GAS DIVISION

MAY 05 1981

GRAND JUNCTION, CO

STANDARD STIPULATIONS FOR OIL & GAS EXPLORATION

Contact this office at least 48 hours prior to beginning construction of access road and pad.

Stockpile the surface 12 inches of topsoil in a wind-row on the west quadrant of the location.

The upper banks (uphill side) of all cuts will be rounded during construction of the access road and pad.

Notify the BLM District Archaeologist if cultural material from sub-surface deposits is exposed during the operation.

The trash cage will be at the location and fenced with fine mesh wire during drilling operations.

The "blooey" line will be centered and directed into the pit.

If production is obtained, the access road will be upgraded to BLM specifications for long-term roads as outlined in the surface use standards section of the "Oil and Gas" pamphlet (joint BLM, USGS and USFS publication).

If production is obtained, all production facilities will be painted. (See enclosed suggested colors - for facilities).

Rehabilitation of the site and access road will be accomplished in accordance with the enclosed restoration procedures.

Production facilities and pipeline route are approved on this location under lease rights.

As agreed upon at the pre-drill field examination -

Access -

1) Existing road will be up-graded as needed from the middle of the west line SW/SW section 16, T. 16 S., R. 25 E., northwest into section 17, southwesterly into section 20 to Natural Gas Corporation of California in NW/SE section 20, T. 16 S., R. 25 E., (part of this road in section 17 will have to be covered with a right-of-way).

2) New access will be constructed in section 20 from NGC 1-20 to NGC 12-20. (Refer to map "B" with 13 point surface use plan).

3) Temporary road surface disturbance will be kept to a minimum until the well is determined to be a producer.

4) Prior to road construction all wood fiber will be removed along the proposed access road and will be disposed of as follows:

a. All main stems and limbs over four inches outside bark diameter and at least four feet in length will be bucked into lengths not exceeding eight feet. Timber removed from the access road will be stacked along the right-of-way.

b. Tops, limbs and other wood slash will be mashed and removed from the road area.

5) Topsoils and organic matter removed from the road surface will be windrowed along the up-hill side.

6) Low water crossings will be installed at each drainage that crosses the road.

Location -

1) Trees from the pad will be handled the same as from the access road. See #4 stipulation above. Timbers from the pad will be piled next to the topsoil.

2) Pits will be in the cut portion of the pad, along the south side and will be 150' long X 50' wide X 8' deep.

3) An area 1.5 to 2 cat blades wide will be cleared to mineral soil behind the blooie pit.

4) Pits will be fenced on three sides during the drilling period and on the fourth side prior to rig removal. Fence will be 48 inches high woven wire with 2 strands of barbed wire along the top or 5 strands of barbed wire.

Restoration -

Producer -

1) Non-productive disturbed surface area will be recontoured, top soils replaced, the surface ripped and seeded. (This area will be from 20 feet on the outside of the deadmen or anchors to the edge of the disturbed area.

Non-Producer -

1) Well pad will be recontoured, topsoils replaced, disturbed surface ripped, and seeded. Any timber or brush removed from the pad will be scattered over the disturbed area to reduce effects of wind and/or water erosion.

2) Access road from the well to the back to the Pease 41-20 in NE/NE section 20, T. 16 S., R. 25 E. will be recontoured, ripped and seeded. The road will be closed to all traffic between Pease 41-20 and M.G.C. 12-20. If seeding is done by broadcasting, 2.5 times the recommended rate in the stipulations will be seeded, and the seed will be covered by using a drag or harrow over the disturbed area.

RECLAMATION PROCEDURES IN GRAND RESOURCE AREA

1. Disk or rip pads and access roads.
 - a. Overlap passes in order to insure complete treatment.
2. Contour pads and access roads.
 - a. Lay berms into centers.
 - b. Use cut material for fill areas.
 - c. Lay stockpiled surface soil over top of pads and spread evenly.
 - d. On highly erosive soils, it may be more beneficial to grade slopes to reduce steepness.
 - e. Do not smooth pads out, leave a roughened surface. On steeper slopes and slopes with clayey soils scarify or serrate the ground in order to increase water infiltration and reduce erosion.
3. Water bar roads where required by this office.

* 2 percent	Grade	-	200 ft. intervals
2-4 percent	Grade	-	100 ft. intervals
4-5 percent	Grade	-	75 ft. intervals
5 percent	Grade	-	50 ft. intervals

* Actual spacing may vary according to soil stability. Lighter textured soils will require more frequent water bars. When natural drainage ways are present, water bars are to be constructed to make maximum use of them. Plan operations so that natural drainage ways do not become blocked.
4. Seed roads and pads in the fall (Oct. through mid-Dec.).

SEED MIXTURE

<u>Species</u>		<u>Rate</u> <u>lbs./acre</u>
Grasses		
Featuca thurberi	Thurbers fescue	1
Bromus carinatus	Mountain brome	1
Agrppyron smithii	Western wheatgrass	1
Frobs		
Medicago sativa	Alfalfa (nomad)	.5
Hedysarum boreale vor utahensis	Utah sweet vetel	.5
Shrubs		
Purshia tridentsta	Bitterbrush	1
Cercocarpus montanus	Burch leaf Mountain Mahogany	<u>1</u>

TOTAL 6



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

SUGGESTED COLORS TO PAINT OIL & GAS PRODUCTION FACILITIES

Cisco Desert and Flats below the Bookcliffs:

Dynasty Green	(Sears)
Tumbleweed	(Pratt & Lambert)
Desert Tan	-----
Sage Gray	(Pratt & Lambert)

Bookcliffs Region:

Sage Gray	(Pratt & Lambert)
Sea Life	(Pratt & Lambert)
Dynasty Green	(Sears)

Similar hues other than the ones mentioned above must be approved by the Grand Resource Area Manager.

U. S. GEOLOGICAL SURVEY - CONSERVATION DIVISION

FROM: DISTRICT GEOLOGIST, ME, SALT LAKE CITY, UTAH

TO: DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-29644OPERATOR: NATURAL GAS CORP.WELL NO. 12-20LOCATION: NW 1/4 SW 1/4 NW 1/4 sec. 20, T. 16S, R. 25E,GRAND County, UTAH

FLAGSTAFF - Surface.

1. Stratigraphy:
- | | | |
|-------------|---|-------|
| MESAVERDE | - | 690' |
| NESLEN | - | 2150' |
| CASTLEGATE | - | 2540' |
| MANCOS | - | 2650' |
| MANCOS "B" | - | 3250' |
| DAKOTA SILT | - | 6138' |
| DAKOTA | - | 6228' |
| MORRISON | - | 6346' |
| T. D. | - | 6590' |

2. Fresh Water: FRESH WATER MAY BE PRESENT TO THE BASE OF THE CASTLEGATE ~ 2650'

3. Leasable Minerals: PROSPECTIVELY VALUABLE FOR COAL IN NESLEN FORMATION ~ 2150'

4. Additional Logs Needed: NONE

5. Potential Geologic Hazards: NONE ANTICIPATED,

6. References and Remarks: —

Signature: Larry RichardsonDate: 12-20-80

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☒ other ☐

2. NAME OF OPERATOR
Natural Gas Corporation of California

3. ADDRESS OF OPERATOR
85 South 200 East, Vernal, UT 84078

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1635' FNL, 625' FWL, Sec. 20, T16S, R25E
AT TOP PROD. INTERVAL: R25E
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other) <u>Change casing program</u>	<input checked="" type="checkbox"/>	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Operator proposes to change the intermediate casing from 9-5/8", 36#, K-55, new, to 9-5/8", 43.5#, N-80, used, due to salvaged casing from another well. Casing has been inspected.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MININGDATE: 7/21/81BY: [Signature]DIVISION OF
OIL, GAS & MINING

Subsurface Safety Valve: Manu. and Type _____

Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED

R. D. Dethlefsen
R. D. DethlefsenTITLE Office Supervisor

DATE

June 23, 1981

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

cc: USGS; Div. OG&M; Operations Supt.; E. R. Henry



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

February 2, 1982

Natural Gas Corp. of Cal.
85 South 200 East
Vernal, Utah 84078

Re: Well No. Federal #41-14
Sec. 14, T. 16S, R. 24E
Grand County, Utah
FINAL NOTICE

Well No. Federal #12-20
Sec. 20, T. 16S, R. 25E
Grand County, Utah
FINAL NOTICE

Gentlemen:

In reference to the above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If we do not hear from your company within fifteen (15) days, we will assume you do not intend to drill these wells, and action will be taken to terminate the application. If you plan to drill this location at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Cari Furse
Clerk Typist

**NATURAL GAS CORPORATION
OF CALIFORNIA**

85 South 200 East
Vernal, Utah 84078
(801) 789-4573

February 9, 1982

RECEIVED
FEB 11 1982

**DIVISION OF
OIL, GAS & MINING**

Ms. Cari Furse
Division of Oil, Gas & Mining
State of Utah
Natural Resources and Energy
4241 State Office Building
Salt Lake City, UT 84114

Re: NGC Well #41-14 Federal
Section 14, T.16S, R.24E
Grand County, Utah

NGC Well #12-20 Federal
Section 20, T.16S, R.25E
Grand County, Utah

Dear Ms. Furse:

Natural Gas Corporation does intend to drill well #41-14 in Section 14, T.16S, R.24E, and well #12-20 in Section 20, T.16S, R.25E, and therefore request that our applications be kept active.

Sincerely,

Rick Canterbury

Rick Canterbury
Associate Engineer

RC/kh

cc: Operations
E. R. Henry
C. T. Clark

4

Oil and Gas Operations
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

June 10, 1982

Natural Gas Corp. of California
85 South 200 East
Vernal, Utah 84078

Re: Rescind Application for Permit
to Drill
Well No. 12-20
Section 20-T16S-R25E
Grand County, Utah
Lease No. U-29644

Gentlemen:

The Application for Permit to Drill the referenced well was approved on May 15, 1981. Since that date no known activity has transpired at the approved location. Under current District policy, applications for permit to drill are effective for a period of one year. In view of the foregoing this office is rescinding the approval of the referenced application without prejudice. If you intend to drill at this location at a future date, a new application for permit to drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must then be submitted to this office. Your cooperation in this matter is appreciated.

Sincerely,

E. W. Gynn
District Oil & Gas Supervisor

bcc: SMA
State O&G ✓
State BLM
MMS-Vernal
Well File
APD Control
DH/dh